

RHINOARMOR™ PUFR 2185-120

TYPICAL PHYSICAL PROPERTIES *(continued):*

	Test	Result
Elongation (%)*	ASTM D-412	325 – 375
Taber Abrasion Resistance (mg of loss/1000 cycles) CS17 Wheel; 1000 grams weight	ASTM D-1044	10 – 15
Water Absorption (%) - 24 hours	ASTM D-570	1.0%
Flammability	MVSS	Does not ignite
Note: Small-scale flammability tests are an indication of behavior; however, they do not necessarily predict performance in a real life situation.	FMV-302	Pass
	Cal 117	Pass (Uncertified)
	UL-94	V-O
Dielectric Strength (volts/mil)	ASTM D-149	300
Volume Resistancy (ohm/inches)	ASTM D-257	6 X 10 (12)
Dielectric Constant (MHz)	ASTM D-150	5.4
Dissipation Factor (MHz)	ASTM D-150	0.058
Cathodic Disbonding	ASTM G-8	Pass

*Properties were checked of RhinoArmor™ PUFR polyurethane lining, 1/8" (125 mils), (3.18 mm) thick stock.

PROCESSING CHARACTERISTICS:

Component - Low Pressure	Component - High Pressure	Hoses - High Pressure	Substrate Surface
75° – 85°F (24° – 29°C)	120° – 150°F (49° – 66°C)	140°F (60°C)	60° – 110°F (15° – 43°C)

DRY FILM THICKNESS RANGE: Varies based on application, typically used at a minimum of 1/16" (62.5 mils; 1.5 mm) up to unlimited thickness

CHEMICAL RESISTANCE: Guidelines only: Fume, splash, spillage as noted. Individual testing required for immersion.

Acetic Acid to 10%Excellent	Ammonia to 5%Excellent
Formic Acid to 5%Excellent	Caustic Soda Lye to 50%Excellent
Sulfuric Acid to 10%Excellent	Potash Lye to 20%Excellent
Tannic Acid to 20%Excellent	OilsExcellent
SolventsModerate	

Properties were check from RhinoArmor PUFR polyurethane lining, 1/8" (125 mills), (3.18mm) thick stock.

SUBSTRATES: Metals, wood, concrete, fiberglass, geotextiles and most plastics

COLOR OPTIONS: Full color range available. Standard colors - black, indigo blue, graphite and flame red. Custom colors are available by special order.

STORAGE AND HANDLING: Part A (Isocyanate) like other organic isocyanates, can react with water to form insoluble ureas and carbon dioxide gas with can result in a pressure buildup inside closed containers. Therefore, extreme care must be taken to assure containers used for Part A remain dry. Part A should be stored at temperatures between 75° F and 80° F under a dry nitrogen atmosphere. **Part B (Resin)** is hygroscopic and should be stored in sealed containers to prevent ingress of moisture. If stored at temperatures between 75° F and 80°F, the storage life of this product is 12 months. Part B will separate upon storage. This material must be thoroughly mixed just prior to use. For additional information, refer to Rhino Linings Material Safety Data Sheet.

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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